



AN ISO 9001 : 2008 COMPANY & ACCREDITED LABORATORY AS PER ISO/IEC 17025:2017
4, 7TH MAIN MALLESWARAM, BANGALORE -3

Certificate No.: TC-5548

QC ABSTRACT

NAME OF WORK: IMPROVEMENTS TO DRAINS AND LAYING COVERING SLABS AT DASARAHALLI NEAR BBMP OFFICE SIDE DRAINS IN WARD NO.06 BYATARAYANAPURA SUB DIVISION.

SL NO	Item Of Work	Name of Test	Frequency of Test/Quantity	Executed Quantity	Number of Tests Required	Number of Tests Conducted
Materials						
1	Cement	Fineness by dry sieving	One Test		1	1
		Fineness by Air permeability method	One Test		1	1
		Density	One Test		1	1
		Standard Consistency	One Test		1	1
		Initial Setting time	One Test		1	1
		Final Setting time	One Test		1	1
		Soundness (Le Chatelier's Method)	One Test		1	1
		Compressive Strength	One Test		1	1
2	Coarse aggregate(40 mm down size)	SIEVE ANALYSIS	One Test		1	1
		Flakiness Index	One Test		1	1
		Elongation Index	One Test		1	1
		Specific Gravity	One Test		1	1
		Bulk Density(Loose)	One Test		1	1
		Bulk Density(Compacted)	One Test		1	1
		Water Absorption	One Test		1	1
		SIEVE ANALYSIS	One Test		1	1
3	Coarse aggregate(20 mm down size)	Flakiness Index	One Test		1	1
		Elongation Index	One Test		1	1
		Specific Gravity	One Test		1	1
		Bulk Density(Loose)	One Test		1	1
		Bulk Density(Compacted)	One Test		1	1
		Water Absorption	One Test		1	1
		Aggregate crushing Value	One Test		1	1
		Aggregate Impact Value	One Test		1	1
4	Fine aggregate	SIEVE ANALYSIS	One Test		1	1
		Water Absorption	One Test		1	1
		Specific Gravity	One Test		1	1
		Material finer than 75 micron	One Test		1	1
5	Block(400*200*200)	BLOCK DENSITY	One Test		1	1
		WATER ABSORPTION	One Test		1	1
		DIMENSION ANALYSIS	One Test		1	1
		COMPRESSIVE STRENGTH	One Test		1	1
6	Precast (100mm)	Core Compressive Strength	One Test		1	1
		Corrected Cylinder Compressive Strength	One Test		1	1
		Equivalent Cube Compressive Strength	One Test		1	1
7	Precast (250mm)	Core Compressive Strength	One Test		1	1
		Corrected Cylinder Compressive Strength	One Test		1	1
		Equivalent Cube Compressive Strength	One Test		1	1

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HIGHWAY & BUILDING MATERIALS TESTING LABORATORY | STRUCTURAL | ENVIRONMENTAL
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4, 7TH MAIN MALLESWARAM, BANGALORE -3

Certificate No.: TC-5548

Format No CP/TF/01

TEST REPORT OF PHYSICAL PROPERTIES OF CEMENT - 53 Grade

Lab ID : CP-2021-12-27-24 Date: 30-09-21
 Customer : Assistant Executive Engineer, Byatarayanapura Sub Division, BBMP.
 Address : Byatarayanapura Sub Division, BBMP, Bangalore.
 Project Name : Improvements to Drains and Laying covering slabs at Dasarahalli Near BBMP Office side drains in Ward No.06 Byatarayanapura Sub Division.
 Agency : Sri.H S Palakhsa Murthy S/o H K Sivalingappa, H No: 703 6th Main road, 4th cross, near Gandhi Park, Vijayanagara, Bangalore-560040.
 Customer's Reference : BBMP/EE/BTP/WO/94/2020-21
 Source of Sample : Sample supplied by Agency
 Sample Condition : Satisfactory
 Date of Receipt : 27-09-21
 Sample Type : Birla Super 53grade
 Reference to BIS codes : IS 12269 : 2013, 53 Grade Ordinary Portland cement Specification ,
 IS 4031 (Part 1,2,3,4,5, 6,11):1988
 IS 4031 Part 1 DETERMINATION OF FINENESS BY DRY SIEVING, Clause 4.4
 IS 4031 Part 2, Determination of Fineness by Blaine Air Permeability Method, Clause 5
 IS 4031 Part 3, Determination of Soundness, Clause 5, Clause 6
 IS 4031 Part 4, Determination of Consistency of Standard Cement Paste, Clause 5
 IS 4031 Part 5, Determination of Initial & Final Setting Time, Clause 5
 IS 4031 Part 11, DETERMINATION OF DENSITY, Clause 6

Date of test : 28-09-21

Environmental Conditions during test : Temperature: 26°C
 Humidity: 72%

Sl.No.	Physical properties	Results	Requirement as per IS 12269: 2013
1	Fineness by dry sieving (%)	2.2	—
2	Fineness by Air permeability method (m ² /kg.Min)	249.5	225m ² /kg. Min
3	Density (gm/cc)	3.11	—
4	Standard Consistency (%)	27.5%	Not specified
5	Initial Setting time	170 minutes	Not less than 30 minutes
6	Final Setting time	260 minutes	Not more than 600 minutes
7	Soundness (Le Chatelier's Method)	1.5mm	Not more than 10 mm

* The results obtained are satisfactory as per standard requirements.

Note:

The results pertain to the samples received and tested.

All information furnished by Customer/Representative

Any correction in the report will make this report invalid

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Samples will be disposed after 30 days from the date of issue of test certificate

ಇದರಲ್ಲಿ ಉಪಯುಕ್ತವಾದ ಮಾಹಿತಿಗಳು
 ಇವುಗಳನ್ನು ಉಪಯುಕ್ತವಾಗಿ ಬಳಸಿಕೊಳ್ಳುವುದು
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FOR CIVIL Pro.

R. RUDRAPRASAD
 Authorized Signatory
 Technical Manager

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4, 7TH MAIN MALLESWARAM, BANGALORE -3

Certificate No.: TC-5548

5548

Format No. CP/TF/01

TEST REPORT OF PHYSICAL PROPERTIES OF CEMENT - 53 Grade

Lab ID	:	CP-2021-12-27-24	Date: 26-10-21
Customer	:	Assistant Executive Engineer, Byatarayanapura Sub Division, BBMP, Bangalore.	
Address	:	Byatarayanapura Sub Division, BBMP, Bangalore.	
Project Name	:	Improvements to Drains and Laying covering slabs at Dasarahalli Near BBMP Office side drains in Ward No.06 Byatarayanapura Sub Division.	
Agency	:	Sri.H S Palakhsa Murthy S/o H K Sivalingappa, H No:703 6th Main road, 4th cross, near Gandhi Park, Vijayanagara, Bangaore-560040.	
Customer's Reference	:	BBMP/EE/BTP/WO/94/2020-21	
Source of Sample	:	Sample supplied by Agency	
Sample Condition	:	Satisfactory	
Date of Receipt	:	27-09-21	
Sample Type	:	Birla Super 53grade	
Reference to BIS codes	:	IS 12269 : 2013, 53 Grade Ordinary Portland cement Specification , IS 4031 Part 4, Determination of Consistency of Standard Cement Paste, Clause 5 IS 4031 Part 6, Determination of Compressive Strength, Clause 6	
Date of test	:	28-09-21	
Environmental Conditions during test	:	Temperature:	26°C
		Humidity:	72%

Compressive Strength		Humidity:	12%
Sl.No.	Physical properties	Results	Requirement as per IS 12269: 2013
1	3 Days	29.5N/mm ²	Not less than 27 N/mm ²
2	7 Days	38.5N/mm ²	Not less than 37 N/mm ²
3	28 Days	56.5N/mm ²	Not less than 53 N/mm ²

* The results obtained are satisfactory as per standard requirements.

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*** End of Report ***



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4, 7TH MAIN MALLESWARAM, BANGALORE -3

Certificate No.: TC-5548

Format No: CP/TF/01

TEST REPORT ON COARSE AGGREGATES

Lab ID : CP-2021-12-27-24 Date: 30-09-21

Customer : Assistant Executive Engineer, Byatarayanapura Sub Division, BBMP, Bangalore.

Address : Byatarayanapura Sub Division, BBMP, Bangalore.

Project Name : Improvements to Drains and Laying covering slabs at Dasarahalli Near BBMP Office side drains in Ward No.06 Byatarayanapura Sub Division.

Agency : Sri.H S Palakhsa Murthy S/o H K Sivalingappa, H No:703 6th Main road, 4th cross, near Gandhi Park, Vijayanagara, Bangalore-560040.

Customer's Reference : BBMP/EE/BTP/WO 94/2020-21

Source of Sample : Sample supplied by Agency

Sample condition : Satisfactory

Date of Receipt : 27-09-21

Sample Type : 40mm down size coarse aggregate

Reference to BIS codes : IS: 383:2016 (Specification for Coarse and fine Aggregates)
IS: 2386 :1963(Part - 1,3,4) RA2011
IS 2386 Part 1: Particle Size and Shape
IS 2386 Part 3: Specific gravity, Density, Voids, Water Absorption
IS 2386 Part 4: Mechanical Properties

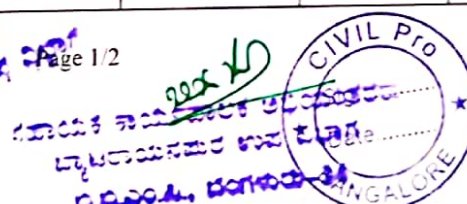
Date of test : 27-09-21

SIEVE ANALYSIS (PARTICLE SIZE DISTRIBUTION) OF 40MM DOWN COARSE AGGREGATE:

Total weight taken : 15000 grams

Sample No.	Sieve No.	Weight Retained in gms	Cumulative Weight Retained in gms	% Cumulative Weight Retained	% Passing	Required as per IS 383:2016
1	80 mm	0	0	0.0	100	100
2	40 mm	423	423	2.8	97.2	90-100
3	20 mm	5852	6275	41.8	58.2	30-70
4	10 mm	4232	10507	70.0	30.0	10-35
5	4.75 mm	4225	14732	98.2	1.8	0-5
6	Pan	268	15000	100.0	0	---

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TEST REPORT ON COARSE AGGREGATES

Lab ID

: CP-2021-12-27-24

Date: 30-09-21

PHYSICAL PROPERTIES

Sl.no	Tests	Result	Requirements as per IS:383-2016
1	Flakiness Index(%)	12.3	Combined Flakiness & Elongation Index Shall not Exceed 40% for Uncrushed & Crushed Aggregate
2	Elongation Index(%)	11.5	
3	Specific Gravity	2.68	—
4	Bulk Density(Loose) (Kg/l)	1.56	—
5	Bulk Density(Compacted) (Kg/l)	1.59	—
6	Water Absorption(%)	0.21	—

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Handwritten signature and stamp in Kannada script, including the date 30-09-21 and the text 'ಪುನರಾವೇಶಿಸುವ ಸಲಹೆ' (Suggestion for re-issuance).



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TEST REPORT ON COARSE AGGREGATES

Lab ID : CP-2021-12-27-24 Date: 29-09-21
Customer : Assistant Executive Engineer, Byatarayanapura Sub Division, BBMP, Bangalore.
Address : Byatarayanapura Sub Division, BBMP, Bangalore.
Project Name : Improvements to Drains and Laying covering slabs at Dasarahalli Near BBMP Office side drains in Ward No.06 Byatarayanapura Sub Division.
Agency : Sri.H S Palakhsa Murthy S/o H K Sivalingappa, H No:703 6th Main road, 4th cross, near Gandhi Park, Vijayanagara, Bangaore-560040.
Customer Reference : BBMP/EE/BTP/WO/94/2020-21
Source of Sample : Sample supplied by Agency
Sample Condition : Satisfactory
Date of Receipt : 27-09-21
Sample Type/ Size : 20mm down size coarse aggregate
Reference to BIS codes : IS: 383:2016 (Specification for Coarse and fine Aggregates)
IS: 2386 :1963(Part - 1,3,4) RA2011
IS 2386 Part 1: Particle Size and Shape
IS 2386 Part 3: Specific gravity, Density, Voids, Water Absorption
IS 2386 Part 4: Mechanical Properties
Date of test : 27-09-21

SIEVE ANALYSIS (PARTICLE SIZE DISTRIBUTION) OF 20MM DOWN COARSE AGGREGATE:

Total weight taken : 5000 grams

Sample No.	Sieve No.	Weight Retained in gms	Cumulative Weight Retained in gms	% Cumulative Weight Retained	% Passing	Required as per IS 383:2016
1	40 mm	0	0	0	100	100
2	20 mm	278	278	5.6	94.4	90-100
3	10 mm	2754	3032	60.6	39.4	25-55
4	4.75 mm	1754	4786	95.7	4.3	0-10
5	Pan	214	5000	100	0	-

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29.09.2021
29.09.2021



Signature
Date

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Certificate No.: TC-5548

Format No: CP/TF/01

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TEST REPORT ON COARSE AGGREGATES

Lab ID

: CP-2021-12-27-24

Date: 29-09-21

PHYSICAL PROPERTIES

Sl.no	Tests	Result	Requirements as per IS:383-2016
1	Flakiness Index(%)	12.2	Combined Flakiness & Elongation Index Shall not Exceed 40% for Unerushed & Crushed Aggregate
2	Elongation Index(%)	11.6	
3	Specific Gravity	2.69	—
4	Bulk Density(Loose) (Kg/l)	1.52	—
5	Bulk Density(Compacted) (Kg/l)	1.54	—
6	Water Absorption(%)	0.27	—
7	Aggregate crushing Value(%)	23.2	Max 30% for Aggregates to be used in concrete for wearing Surface, In case Aggregate Crushing Value Exceeds 30% then the test for ten percent fines should be conducted for Aggregates to be used in concrete other than for wearing Surface.
8	Aggregate Impact Value(%)	22.7	30% for Aggregates to be used in concrete for wearing Surface, 45% for Aggregates to be used in concrete other than for wearing Surface.

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09.10.21, ಬೆಂಗಳೂರು-24

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ಪರೀಕ್ಷೆಗಳಿಗಾಗಿ
ಪ್ರಯೋಗಿಸಬಾರದು
09.10.21, ಬೆಂಗಳೂರು-24



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TEST REPORT OF FINE AGGREGATE

Lab ID	:	CP-2021-12-27-24	Date: 29-09-21
Customer	:	Assistant Executive Engineer, Byatarayanapura Sub Division, BBMP, Bangalore.	
Address	:	Byatarayanapura Sub Division, BBMP, Bangalore.	
Project Name	:	Improvements to Drains and Laying covering slabs at Dasarahalli Near BBMP Office side drains in Ward No.06 Byatarayanapura Sub Division.	
Agency	:	Sri.H S Palakhsa Murthy S/o H K Sivalingappa, H No:703 6th Main road, 4th cross, near Gandhi Park, Vijayanagara, Bangaore-560040.	
Customer's Reference	:	BBMP/EE/BTP/WO/94/2020-21	
Source of Sample	:	Sample supplied by Agency	
Sample Condition	:	Satisfactory	
Date of Receipt	:	27-09-21	
Sample Type	:	Fine Aggregate	
Reference to BIS codes	:	IS 383 : 2016 (Specification for Coarse and fine Aggregates) IS: 2386 :1963(Part - 1, 3) RA2012 IS 2386 Part 1: Particle Size and Shape IS 2386 Part 3: Specific gravity, Density, Voids,Water Absorption	
Date of test	:	27-09-21	

Total weight taken : 1000 grams

Sl.no	Sieve Size	Weight Retained (gms)	Cumulative Weight Retained (gms)	% Cumulative Weight Retained	% Passing	Requirement as per IS 383:2016			
						Grading Zone I	Grading Zone II	Grading Zone III	Grading Zone IV
1	10 mm	0	0	0.0	100.0	100	100	100	100
2	4.75 mm	86	86	8.6	91.4	90-100	90-100	90-100	95-100
3	2.36 mm	145	231	23.1	76.9	60-95	75-100	85-100	95-100
4	1.18 mm	156	387	38.7	61.3	30-70	55-90	75-100	90-100
5	600 micron	188	575	57.5	42.5	15-34	35-59	60-79	80-100
6	300 micron	175	750	75.0	25.0	5-20	8-30	12-40	15-50
7	150 micron	162	912	91.2	8.8	0-10	0-10	0-10	0-15
8	Pan	88	1000	100.0	0.0	---	---	---	---

Result :The tested Sample Conforms to Grading Zone 1

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Certificate No.: TC-5548

TEST REPORT OF FINE AGGREGATE

Lab ID : CP-2021-12-27-24

Date: 29-09-21

PHYSICAL PROPERTIES

Sl.no	Tests	Result	Requirements as per IS 383:2016
1	Water Absorption(%)	2.4	-
2	Specific Gravity	2.59	-
3	Material finer than 75 micron(%)	7.3	Uncrushed fine Aggregate Max 3%, Crushed Fine aggregate Max 15%, Mixed Fine aggregate Max 12%, Manufactured Fine aggregate Max 10%

* The results obtained are satisfactory as per standard requirements.

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ಸಹಾಯಕ ಅಧೀಕ್ಷಕರು
ಪ್ರಾ.ಪರೀಕ್ಷಾ ಕಛೇರಿ, ಬೆಂಗಳೂರು



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(Signature)
R RUDRAPRASAD
Authorized Signatory
Technical Manager

Page 2/2

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(Signature)
ಸಹಾಯಕ ಕಾರ್ಯಪಾಲಕ ಅಧೀಕ್ಷಕರು
ಪ್ರಾ.ಪರೀಕ್ಷಾ ಕಛೇರಿ, ಬೆಂಗಳೂರು
ದಿ.ಪಿ.ಎಂ.ಸಿ., ಬೆಂಗಳೂರು-24

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Format No: CP/TF/01

TEST REPORT ON PHYSICAL REQUIREMENTS OF SOLID CONCRETE BLOCKS

Lab ID : CP-2021-12-27-24 Date: 20-10-21

Customer : Assistant Executive Engineer, Byatarayanapura Sub Division, BBMP, Bangalore.

Address : Byatarayanapura Sub Division, BBMP, Bangalore.

Project Name : Improvements to Drains and Laying covering slabs at Dasarahalli Near BBMP Office side drains in Ward No.06 Byatarayanapura Sub Division.

Agency : Sri.H S Palakhsa Murthy S/o H K Sivalingappa, H No:703 6th Main road, 4th cross, near Gandhi Park, Vijayanagara, Bangaore-560040.

Customer's Reference : BBMP/EE/BTP/WO/94/2020-21

Source of Sample : Sample supplied by Agency

Sample Condition : Satisfactory

Date of Receipt : 18-10-21

Sample Type/Size : Solid concrete blocks size (400X200X200)mm

Reference to BIS codes : IS : 2185 (Part 1) : 2005(RA 2010) Concrete Masonry Specification
Part 1:Hollow and Solid Concrete Blocks (Dimensions -Annex-B, Clause 9.2 and 10 , Block density Annex -C Clause 9.3 and 10, Compressive strength Annex -D Clause 9.4 and 10, Water absorption Annex -E Clause 9.5 and 10)

Date of test : 18-10-21

BLOCK DENSITY:

Sl. No.	Measurement of overall Dimensions of Individual Blocks			Overall Volume of the Block in Cubic Centimetres	Weight of Oven Dried Block in Kilograms to the nearest 10 Gram	Block Density in Kg/cum*10 ⁶	Avg.Block Density in (Kg/cum)	As per IS 2185(Part 1):2005 (RA 2010)
	Length	Breadth	Height					
	mm	mm	mm	(Cm ³)	Kg	Kg/m ³	Kg/m ³	
1	401	202	203	16443	32.580	1981.3	1985.4	Not less than 1800Kg/m ³
2	402	202	202	16403	32.490	1980.7		
3	402	202	201	16322	32.55	1994.2		

WATER ABSORPTION:

Sl. No.	Wet weight after water absorption	Dry weight (Oven dry)	Water Absorption	Avg.Water Absorption	As per IS 2185(Part 1):2005 (RA 2010)
	kg	kg	%	%	
1	33.890	32.500	4.28	3.91	Shall not be more than 10% by mass
2	33.760	32.480	3.94		
3	33.960	32.810	3.51		

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ಇ.ಇ.ಎಂ.ಇ. ಪ್ರಮಾಣೀಕರಣ ಕಛೇರಿ
ಬಿ.ಬಿ.ಎಂ.ಪಿ. ಕಛೇರಿ-24



R. Indumathi



Lab ID

: CP-2021-12-27-24

Date: 20-10-21

DIMENSION ANALYSIS

Sl.no	Length mm	Breadth mm	Height mm	Requirement as per IS 2185(Part 1):2005
1	402	202	200	Length : $\pm 5\text{mm}$ Breadth : $\pm 3\text{mm}$ Height : $\pm 3\text{mm}$
2	401	201	203	
3	402	199	201	
4	401	202	202	
5	403	201	201	
6	400	203	202	
7	402	201	200	
8	401	203	199	
9	400	201	200	
10	403	203	198	
11	401	201	203	
12	402	202	201	
13	401	199	201	
14	402	201	203	
15	399	203	200	
16	402	201	201	
17	401	199	202	
18	402	200	201	
19	401	201	203	
20	400	201	201	
Average of 20	401	201	201	

Page 2/3

ಇದರಲ್ಲಿ ಉಲ್ಲೇಖಿಸಿದ
ಮಾಪಗಳನ್ನು ಈ ಕೆಳಗೆ

ಇದರಲ್ಲಿ ಉಲ್ಲೇಖಿಸಿದ
ಮಾಪಗಳನ್ನು ಈ ಕೆಳಗೆ
ಮಾಪಗಳು-24



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HIGHWAY & BUILDING MATERIALS TESTING LABORATORY | STRUCTURAL | ENVIRONMENTAL
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4, 7TH MAIN MALLESWARAM, BANGALORE -3

Certificate No.: TC-5548

Lab ID : CP-2021-12-27-24

Date: 20-10-21

COMPRESSIVE STRENGTH

Sl. No.	Size of solid block		Area	Failure Load	Compressive strength	Average Compressive strength
	Length	Breadth				
	mm	mm	(mm ²)	(kN)	N/mm ²	(N/mm ²)
1	402	202	81204	295.8	3.6	3.7
2	401	201	80601	301.5	3.7	
3	402	199	79998	299.5	3.7	
4	401	202	81002	291.0	3.6	
5	403	201	81003	293.5	3.6	
6	400	203	81200	283.5	3.5	
7	402	201	80802	325.4	4.0	
8	401	203	81403	315.7	3.9	

As per IS Requirements (Table 2, Clause 5.1, 5.2 and 9.4)

Compressive strength		
Grade	Minimum average	Minimum Individual units.
C (5.0)	5.00 N/mm ²	4.00 N/mm ²
C (4.0)	4.00 N/mm ²	3.20 N/mm ²

* The results obtained are satisfactory as per standard requirements.

Note:

The results pertain to the samples received and tested.

All information furnished by Customer/Representative

Any correction in the report will make this report invalid

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Samples will be disposed after 30 days from the date of issue of test certificate

ಶ್ರೀಮತಿ ಅಭಯಲಕ್ಷ್ಮಿ
ಪ್ರ.ಪಂ.ಪ. ಪ್ರಯೋಗಶಾಲಾ ನಿರ್ದೇಶಕಿ

ಶ್ರೀಮತಿ ರಮೇಶ್ವರಿ ಅಭಯಲಕ್ಷ್ಮಿ
ಪ್ರಯೋಗಶಾಲಾ ನಿರ್ದೇಶಕಿ
ಪ್ರ.ಪಂ.ಪ. ಭಾಗ-24
****End of Report****

FOR CIVIL Pro.
R. Rudraprasad
Authorized Signatory
Technical Manager

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4, 7TH MAIN MALLESWARAM, BANGALORE -3

Format No: CP/TF/01

TEST REPORT OF PRECAST COVER SLAB

Sl. No.	Identification Mark	Diameter of the core	Height of the core	Weight of the core	Area	Failure Load	Core Compressive strength	Corrected Cylinder Compressive strength	Equivalent Cube Compressive strength
		(mm)	(mm)	(kg)	(Sq.mm)	(kN)	(N/mm ²)	(N/mm ²)	(N/mm ²)
1	Cover Slab-1	200.51	250.48	2.116	31570	572.5	18.1	16.9	21.1
2	Cover Slab-2	200.49	250.52	2.122	31564	588.1	18.6	17.3	21.7
3	Cover Slab-3	200.50	250.51	2.118	31567	578.3	18.3	17.0	21.3

ಪ್ರತಿ ಸಂಸ್ಥೆಗೆ ಒಂದು ಸಂಪನ್ಮೂಲದ ವಿವರಣೆ ನೀಡಲಾಗಿದೆ.

ಸಹಾಯಕ ಪ್ರಾಚಾರ್ಯರ ಅಧೀನದಲ್ಲಿ
 ಪ್ರಾಚಾರ್ಯರ ಅಧೀನದಲ್ಲಿ
 Page 1/1
 ***** End of Report *****



R RUDRAPRASAD
Authorized Signatory
Technical Manager

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4, 7TH MAIN MALLESWARAM, BANGALORE -3

Certificate No.: TC-5548

Format No: CP/TF/01

TEST REPORT OF PRECAST COVER SLAB

Lab ID : CP-2021-12-27-24 Date: 06-11-21

Customer : Assistant Executive Engineer, Byatarayanapura Sub Division, BBMP, Bangalore.

Address : Byatarayanapura Sub Division, BBMP, Bangalore.

Project Name : Improvements to Drains and Laying covering slabs at Dasarahalli Near BBMP Office side drains in Ward No.06 Byatarayanapura Sub Division.

Agency : Sri.H S Palakhsa Murthy S/o H K Sivalingappa, H No:703 6th Main road, 4th cross, near Gandhi Park, Vijayanagara, Bangaore-560040.

Customer's Reference : BBMP/EE/BTP/WO/94/2020-21

Source of Sample : Sample supplied by Agency

Sample Condition : Satisfactory

Date of Receipt : 02-11-21

Sample Type /Size : Precast Cover Slab (100mm thick)

Reference to BIS codes : IS: 516 - 1959 Methods of Tests for Strength of Concrete

Date of test : 02/11/2021

Sl. No.	Identification Mark	Diameter of the core	Height of the core	Weight of the core	Area	Failure Load	Core Compressive strength	Corrected Cylinder Compressive strength	Equivalent Cube Compressive strength
		(mm)	(mm)	(kg)	(Sq.mm)	(KN)	(N/mm ²)	(N/mm ²)	(N/mm ²)
1	Cover Slab-1	75.51	100.49	1.212	4477	82.6	18.4	17.2	21.4
2	Cover Slab-2	75.5	100.52	1.215	4476	80.1	17.9	16.6	20.8
3	Cover Slab-3	75.52	100.50	1.208	4478	85.3	19.0	17.7	22.1

* The results obtained are satisfactory as per standard requirements.

Note:

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Samples will be disposed after 30 days from the date of issue of test certificate

ಸಹಾಯಕ ಅಭಿಯಂತರರು
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ಪೂರ್ವಾಯನಪುರ ಉಪ ವಿಭಾಗ
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End of Report****



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